

The Endocrine System and the Reticular Formation of
the Brain, by Ya. M. Buntser, 16 pp.
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LVII, No 1,
1964, pp 143-158.
JPRS 25653

Sci.-B & M Sci
Aug 64

264,685

Ultrasonic Vibrations in Molecular Biophysics,
by I. Ye. El'piner, 34 pp.
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LVII, No 2,
1964, pp 211-231.
JPRS 25651

Sci - B & M Sci
Aug 64

264,686

Sequential Problems in Soviet Biochemistry,
by N. M. Sisakyan, 15 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biologii, Vol LVII,
No 3, 1964, pp 337-349.
JPRS 27063

Sci-Biol & Med
Jan 65

270,635

S-833/64

Effect of Ionizing Radiation on Protein
Synthesis, by V. D. Blokhina. (DC-10735)

RUSSIAN, per, Uspekhi Sovremennoy Biologii,
Vol LVII, No 3, 1964, pp 394-403.

*JPRS

Sci - Biol & Med Sci
Aug 64

S-833/64

Utilization of Anesthetic Properties of Steroids
in Medicine, by I. S. Badyugin. (DC-10735)

RUSSIAN, per, Uspekhi Sovremennoy Biologii,
Vol LVII, No 3, 1964, pp 422-445.

*JPRS

Sci - Biol & Med Sci
Aug 64

S-833/64

The Role Played by Mediators of Nervous Excitation
in the Regulation of Motor Activity of Parasitic
and Free-Living Worms, by S. P. Aleksandryuk.
(DC-10735)

RUSSIAN, p~~x~~er, Uspekhi Sovremennoy Biologii,
Vol LVII, No 3, 1964, pp 446-462.

*JPRS

Sci - Biol & Med Sci
Aug 64

Comparative Physiological Activity of Gibberellins
and the Relation Between the Activity and
Structure of the Molecule, by G. S. Muromtsev, 22 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biolog.
Vol LVII, No 3, 1964, pp 447-452.
JPRS 26841

Sci - B & M
Oct 64

267,936

Release of Water-soluble Substances From
Plant Tissues, by T. Kirillova.
RUSSIAN, per, Uspekhi Sovremennoi Biologii,
Vol 57, No 3, 1964, pp 463-476.
CSIRO/No. 7413

Sci -
Jul 67

333,931

NY- 13750
7 July 57

The Dimensions of Globular Protein According to Data
from X-Ray Structural Crystallography by H. J. Anderson,
pp. 3-11.

Biophysical Chemistry, Vol. 58, No. 1 (1), 1971/1972.

London, 1971.

London

pp. 1-11, 1971/1972.

London, 1971.

pp. 1-11, 1971/1972.

29H

Control Mechanisms of DNA Biosynthesis, by
I. I. Filippovich, 16 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biologii,
Vol XVIII, No 1 (4), Jul/Aug 1964, pp 22-32.
JPRS 31,578.

USSR
Biol. & Med Sci
Sep 65

287,719

Current Concepts of Mechanisms of the Protective
Effect of Chemical Compounds Against Radiation,
by V. A. Baraboy, 40 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biol, Vol LVIII,
No 1 (4), Jul, Aug 1964, pp 52-73
JPRS 26842

Sci - Chem
Dec 64

269,871

The Chemical Bases of the Virulence And
Pathogenicity of Microorganisms, by Ye. M. K
Gubarev, 18 pp.

RUSSIAN, per, Uspekhi Sovremn Biolog, Vol LVIII,
No 1 (4), Moscow, Jul/Aug 1964, pp 74-85.

JPRS 27146

Sci - Biol & Med
Jan 65

271,164

Chemical and Macromolecular Structure and Biological
Functions of "Soluble" Ribonucleic Acids,
by L. L. Kiselev, 33 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biologii, Vol XLVIII,
No 2, Sep, Oct 1964, pp 177-200.
JPRS 28016

Sci - Biol
Feb 65

272,719

Topological Chemistry of the Cerebral Cortex,
by M. N. Baranov and L. Z. Pevzner, 27 pp.
RUSSIAN, per, Voprosy Sovremennoy Biologii,
Vol 38, No 2, Sept/Oct 1964, pp. 221-241.
JPRS 41753

L. Z. PEVZNER

USSR
Sci. Bull
Aug 67

332,572

Immunochemical Problems in General Immunobiology,
by V. S. Gostev, 16 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biol, Vol LVIII,
No 2, Sep, Oct 1964, pp 242-252.
JPRS 28016

Sci - Biol
Feb 65

272,720

Current Trends in Radiation Immunology,
by R. V. Petrov, 14 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biol, Vol LVIII,
No 2, Sep, Oct 1964, pp 262-271.
JPRS 28016

Sci - Biol
Feb 65

272,721

The First All-Union Biochemical Congress and the
Problems in Present-Day Biochemistry,
by R. A. Zarembskiy, I. I. Ivanov, 26 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biol, Vol LVIII,
No 2, Sep, Oct 1964, pp 307-320.
JPRS 28016

Sci - Biol
Feb 65

272,2722

Biochemical Routes of Neural Regulation of
the Heart, by M. Ye. Rayshina, 27 pp.
RUSSIAN, per, Uspekhi Sovremennoy Biologii,
Vol 58, No 3(6), 1964, pp 346-366.
JPRS 29085

USSR
Biol & Med Sci
Mar 65

276,372

Review of the Book Aging and Longevity
by V. V. Frol'kis, 6 pp
RUSSIAN, per, Uspekhi Sovremennoy Biologii,
Vol. 58, No 3(6), 1964, pp 346-366.
JPRS 29085

USSR
Mol Med. Sci
Mar 65

276,373

Direct Division of a Nucleus, by V. Ya. Brodskiy,
39 pp
RUSSIAN, per, Uspekhi Sovremennoy Biologii, Vol
58, No 3(6), 1964, pp 367-394.
JPRS 29568

USSR
Sci-B/M
Apr 65

277,757

Mechanism of Development and the Problems of
Prevention of Hereditary Diseases of Humans, by
B. V. Koryukhov, 21 pp
RUSSIAN, per, Uspakhi Sovremennoy Biologii, Vol
58 No 3 (6), 1964, pp 423-440
JPRS 29568

USSR
Sci-B/M
Apr 65

277,758

(FDD-26822)

Achievements of Soviet Science in the Study of Ocean
Depths, by L. A. Zenkevich, 34 pp.

RUSSIAN, irreg publ, Uspekhi Sov Nauki i v Izucheniye
Bol 'shikh Glubin Okean, Vol III, No 23, Moscow,
1954, pp 1-31.

CIA/FDD/U-7398

32,352

USSR

Sci - Geophysics, oceanography

Feb 1956 CTS

9 PLS 47311

22706
18 Nov 68DC
58

USSR Achievements in Cosmic Space Research (First
Cosmic Decade, 1957-1967) by A.A. Blagomayov,
(chief ed.)

Translation, Moscow, Uspokhi 8688 v Issledovanii Kosmicheskoy
Prostranstva - Pervoye Kosmicheskoy Desyatiletiye, 1957-1967, 4 Moscow, 1968, 596pp
(entire book)

IDH/601-

Adv. copy for pp 381-418 by 10 Dec 68, - completed job
by 15 Jan 69 ,

repro graphics

book - do not mutilate

Evaluation of Milk Productivity of Large Cattle
According to the Degree of Development of Sweat
and Fat Glands, by A. V. Burtsev.

RUSSIAN, per, Uspekh Zootekh Nauk,
Vol. IV, No 2, 1937, pp 137-143.

CSIRO

Sci - Biol
Jul 62

207,453

Automatic Analysis of Microscopic Particles, by
Valentina Leonidovna Kaya &
Lyudmila Vovna Shikhamatova.
RUSSIAN, per, USSR Energiya.
*Dept of Navy NIC

Sci/B & M
June 68

Spectrometer for Observation of Electron Paramagnetic Resonance in Solid Bodies, by
A. M. Belonogov, A. M. Sazonov, et al. 8 pp
RUSSIAN, per, USSR, Ministerstvo Geologii i
Okhrany Nedr. Osoboye Konstruktorskiye Byuro.
Geofizicheskoye Priborostroyeniye, No 16, 1963,
pp 94-101. P100020866
FTD-TT-65-1735

Sci/Physics
Sep 66

309,394

High Temperature Fatigue, by S. V. Seronsen,
G. N. Meshchaninova.

RUSSIAN, rpt, Ustalost' Metallov Akad Nauk
SSSR, 1960, pp 19-26.

CEGB 2791

NLL(L62N)Ref: 9022.09 A63(2791)

Sci - Engr, Phys
Oct 63

Strength at Repeated Loadings and Resistance
to Fracture, by S. I. Ratner, 36 pp.

RUSSIAN, bk, Ustalost' Metallov, Materialy
Sovetskoye Sostoyaniye po Ustalosti Metallov
22-24 Sentyabrya 1958, 1960, pp 34-46.
9671495

FTD MCL-1054/1

173.804

Sci - Engg
15 Nov 61

Concerning Sensitivity of High Strength
Steels to Notching, by M. P. Markovets,
26 pp.

RUSSIAN, bk, Ustalost' Metallov, Materialy
Soveshchaniya po Ustalosti Metallov
22-24 Sentyabrya 1958, 1960, SPb
pp 62-71. 2671495

FTD MML-1054/1

173, 805

Sci. - Engr
15 Nov 61

Concerning Sensitivity of High Strength
Steels, by S. Ye. Belyayev, 20 pp.

RUSSIAN, bk, Ustalost' Metallov, Materialy
Sovetskoye Sostoyaniye po Ustalosti Metallov
22-24 Sentyabrya 1958, 1960, pp 72-79.
9671495

FTD MCI-1054/1

Sci. - Engr

173,803

15 Nov 61

Fatigue Strength, by P. E. Kravchenko.

RUSSIAN, bk, Ustalostnaya Prochnost', Moscow,
1960, 103 pp.

*PP

Sci - Engr

Dec 60

Fatigue Failure of Metals, by V. S. Ivanova.

RUSSIAN, bk, Ustalostnoye Rezhusheniye Metallov,
1963, 272 pp.

*FTD-MT-64-387
GOV'T USE ONLY

Sci - M/M
Sept 64

Chief of Motor Vehicle Service of Regiment (USSR,
Army, Duties of Personnel), (ID 526804). UNCLASSIFIED

such
RUSSIAN, Ustav Vodruzhenykh Sil Boyuzo SSR, Ministry
of Armed Forces, USSR, 1946, pp 54-55.

QMR-298

USSR - Military

MAY 52 CTS

Duty Person in the Kitchen, (USSR Army, Duties of
Personnel), (ID 526804). UNCLASSIFIED

^{book}
RUSSIAN, Ustav Vooruzhennykh Sil SSSR, Ministry
of the Armed Forces, USSR, 1946, pp 129-131.

QMT-299

USSR - Military

MAY 52 CTS

Breakfast, Dinner and Supper (USSR Army - Duties -
Regulations Concerning prescribed Time for Completion
of Preparation of Food, Tasting It and Its Distribution),
(ID 526804), UNCLASSIFIED

book
RUSSIAN, Ustav Vnutrenney Sluzhby Vooruzhennykh Sil
Soyuza SSR, Ministry of the Armed Forces, USSR, 1946,
Page 100,

QMF-300

USSR - Military

MAY 52 CTS

Veterinary Inspection (Regimental), USSR Army - Duties
of Personnel, UNCLASSIFIED

Book
RUSSIAN, Ustav Vnutrenney Sluzhby Vooruzhennykh Sil
Soyuz SSSR, Ministry of the Armed Forces, USSR, 1946,
pp 173-174.

QMF-305

USSR - Military

May 52 LTS

Regimental Executive for Supply (USSR). Duties of Regimental Supply Officer. UNCLASSIFIED

¹⁻²⁻⁴
RUSSIAN, Ustav Vnutrenney Sluzbly Vooruzhennykh Sil
Soyuzn SSSR, by Min of Armed Forces, USSR, Moscow, 1946.

QNT-321

USSR
Military

DEX

Jun 52 CTS

(FDD 21349)

USSR Railroad Regulations, 1094 pp.

RUSSIAN, bk, Ustav Zheleznnykh Dorog Soyuzn^{SSR}
compiled by the Main Commercial Administration
Ministry of Railways of USSR, Moscow, 1949,
pp 3-486.

CIA/FDD/U-6792

USSR

Economic - Rail transportation

CTS 63/Dec 54

21,350

Stability of Partially Neutralized Electron
Beams, by B. V. Chirikov. 23 pp.
RUSSIAN, rpt, Ustoichivost' Chastichno Kompen-
sirovannogo Elektronogo Puchka, 1964.

PSIX068667

AEC SLAC-tr-51

Sci/Physics

Mar 67

318,648

Stability of Motion, by N. G. Chetaev, 212 pp.

RUSSIAN, bk, Ustoychivost' Dvizheniya, 1955,
207 pp.

CIA 652593-V

ATIC F-TS-9500/V

Sci - Physics
Nov 59

102,411

Stability and Vibrations of Elastic Systems;
Paradoxes, Fallacies and New Concepts, by
Ya. G. Panovko, I. I. Gubanova.

RUSSIAN, mono, Ustoychivost' i kolebaniya
Uprugikh Sistem Sovremennye Kontseptaii,
Paradokhy i Oshibki, Moscow, 1964, 336 pp.

*CB (Available June 1965)

Sci-Phys
July 64

The Stability of Nonlinear Control System, by
A. M. Lotov. UNCLASSIFIED

RUSSIAN, bk, Ustoichivost Nelineinykh Reguliruemyykh
Sistem, 1955.

TIL Tr 4883

Presentation U. P. ...

Sci - Electronics
Jun 58

65,335

Stability in Nonlinear Control Systems, by
Alexander M. Letov, 316 pp.

RUSSIAN, bk, Ustoychivost' v Nelineynykh
Sistemakh Upravleniya, 1961.

Princeton University Press
Princeton, New Jersey
(Available CIA Library -
TW 213 .14 15)

Sci - Phys

Sep 61

169,337

TT-65-12109

Field 12A

Letov, A. M.
THE CONNECTION OF THE LYAPUNOV FUNCTION WITH
THE OPTIMAL PROBLEM (Svyaz Funktsii Lyapunova s
Problemoi Optimalnosti). 23p, 9 refs.
Order from SLA: \$2.60 as TT-65-12109

Trans. of mono. Ustoichivost Nelineynykh Reguliruemyykh
Sistem, n.p. 1962 p460-77.

I. Letov, A. M.

MR 629

Stability in Nonlinear Control Systems, by A. M. Letov, 409 pp.
RUSSIAN, bk, Ustoychivost' Nelineynykh Reguliruyemykh Sistem,
1962, pp 1-483. 9691637-V

FTD-TT-63-399

Sci - Math & Data Proc
Mar 64

251,077

Resistance of Agricultural Plants to Pests,
by P. G. Chesnokov, 17 pp.

RUSSIAN, bk, Ustoichivost' i sel'skokhozyaistvennykh
Rastenii k Vreditelyam, Leningrad, 1955. 9099719

OTS 60-51051
PL-480

200,898

Sci - Biol

Jun 62

R-6894-D
5 April 66

Stability of Ship Plates and Covers, by
Lokshin and Aleksandr Zinov'evich,
RUSSIAN, rpt, Ustoychivost' Sudovykh Plaftin
i Perekrytiy iz Stekloplastikov, 1964, 91 p.

Sci-M&M
Apr 66

S-1693

Stability of Turbulently Heated Plasma during ^{25 pp}
Adiabatic Compression, by M. V. Babykin, et al,
(DC-11285) ^{22 pp}.
RUSSIAN, bk, Ustoychivost' Turbulentno Nagretoy
Plazmy pri Adiabaticheskom Szhatii, Moscow, 1964.

⁶*JPRS/DC-11285

Sci - Phys
Apr 65

Stability of Elastic Systems, by
A. S. Vol'mir, 1029 pp.
RUSSIAN, bk. Ustoychivost' Uprugikh
Sistem, Moscow, 1963, pp 1-879. 9699826-V
TTD-117-64-335

Sci - Phys
Mar 66

297,523

AEC/Tenn DTI-69-2

R-9638-D

23 Jul 68

Translate the Russian abstract preceding each
Ustroistvo Avtomaticheskogo S'ema i /report
Perforatsii Edsperimentalnykh DAnnykh.

Please type one abstract per page.

Automatic Control Device for a Primary Engine,
by B. P. Murganov,

RUSSIAN, rpt. Ustroystvo dlya Avtomaticheskogo
Regulirovaniya Moshchnosti Pervichnogo Dviga-
telya .

*ACSI J-2703

ID 2204025167

Sci-Energy Conversion

Jun 67

The Construction of Motor Vehicles, by V. I.
Anokhin, 10 pp.

RUSSIAN, per, Ustroystvo Avtomobiley, 1953, Moscow,
pp 10-11/29.

ACSI, H-2952

USSR

Econ

May 59

88,198

Studies on Astatized Quartz Gravimeters and
Systems, by I. L. Vasil'yeva, S. V. Vereda et al,
70 pp.

RUSSIAN, bk, Ustroystvo, Naedka, Remont, i
Eksploatatsiya Gravimetricheksy Apparaty
Chapt I, II, 1964, pp 33-84.
JPRS 28836

Sci-Mat & Met
Mar 65

276,125

Construction and Repair of Containers, by F. V.
Donnaf, 53 pp. UNCL

RUSSIAN, bk, Ustroystvo i Remont Konteynerov,
1959, pp 1-51, 69-71, 122, 123.

ACBI E-1988
ID 2158772

USSR
Econ
Apr 61

143,410

The Driver's Role in Vehicle Utilization, by
A. V. Karyagin, 5 pp.

RUSSIAN, bk, Ustroystvo i Obshchivaniye i
Pravila Drizheniya Avtomobiley, 1958, Moscow,
pp 13-15.

525th MI Gp, H-4646

WBR

Econ

Sep 59

97856

(FDD 22707)

Description of the 85-mm Universal Artillery
Piece, 80 pp.

RUSSIAN, bkt, Ustroystvo i Devstviye Artustanovki,
pp 3-91.

CIA/FDD Tr 398

USSR

Mil - Equipment, 85-mm artillery piece

23,859

CTB 67/Apr 55

NY- 9734

Design and Operation of Electronic Digital Computers
by A. Nechayev, pp 7-13, 20-34, 61-93, 122-152, 157-
170, 176-202,

Ustroystvo i Rabota Elektronnykh Telfonnykh Mashin,
Moscow, 1964,

Russian 22,750 words

Special Type "B": Translator's draft plus two
incl. graphics, tables, etc,

ASAP

booklet- do not mutilate,

NY- 9734

Utilization of Acid Sludge,
by K. P. Likhushin.
RUSSIAN, rpt Utilizatsiya Kislykh
Gudronov, 1939, 99 pp.
CFSTI TT 61-18083

Jun 67

327,281

Stalling Rock Tunnels, by K. B. Brobreg.

RUSSIAN, bk, Utstotning i Bregtunndar, 1961.

*Rand will originate
per phone call 27/11/61

Nov 61

(FDD 34236)

NATIONALISM IN THE USSR -- THE CENTRAL ASIAN
REPUBLICS (JAN 1961-JUN 1962) 31 PP. CONFIDENTIAL

RUSSIAN, UZBEK, MONO, USSR,
25 MAY 1945-17 MAY 1962,

CIA/FDD SUM 3768

208,672

USSR -- CENTRAL ASIA
POL; SOC -- NATIONALISM IN THE USSR

(DUIN)
20 JUL 62

Water Conservation (EXTRACTS), by N. L. Korzhenevskiy,
55 pp.

RUSSIAN, blr, Uzbekskaya SSSR, Moscow, 1956,
Call No GB 237, U97T19

AMS Lib

USSR

Econ

Mar 59

Smirnov, F. E., Groshova, G. A., and Stolyarova, A. G.

ROLE OF THE PLANT TRICHODESMA INCANUM IN THE ETIOLOGY OF "SULJUK" DISEASE OF HORSES (Rol' Trikhodesmy Sedoi - Trichodesma Incanum - v Etiologii Sullyuka Loshadel) tr. by A. Neal. [1962] [30]p. (foreign text included). [CSIRO Trans. no. 5603.

Order from OTS or SLA \$2.60

62-25643

Trans. of Uzbek[skaya Akademiya Sel'skokhozyaistvennykh Nauk. Nauchno-Issledovatel'skii Institut Voz[roishti]. Shorp[sk] Nauch[nykh] Tr[udov] (USSR) 1959, v. 13, p. 173-185.

DESCRIPTORS: *Horses, Etiology, *Poisoning, Pathology, Alkalosis, Respiration, *Toxicity, Diagnosis, *Plants (Botany), *Alkaloids.

(Agriculture--Animal Husbandry, TT, v. 10, no. 3)

62-25643

1. Title: Suljuk
2. Title: Trichodesma incanum
- I. Smirnov, F. E.
- II. Groshova, G. A.
- III. Stolyarova, A. G.
- IV. CSIRO Trans-5603
- V. Commonwealth Scientific and Industrial Research Organisation (Australia)

Office of Technical Services

62-25635

Smirnov, F. E. and Stolyarova, A. G.
PATHOGENESIS OF TRICHODESMA POISONING
(SULYUK) IN HORSES (K Voprosu Patogeneze
Trikhodesmotksikova (Sulyuka) Loshadei) tr. by A.
Neal. [1962] [21]p. (foreign text included). [CSIRO]
Trans. no. 5802.
Order from OTS or SLA \$2.60 62-25635

Trans. of Uzbekskaya Akademiya Sel'skokhozyaist-
vennykh Nauk [Nauchno-Issledovatel'skii Institut
Vet'erinari]. Sbornik Nauchnykh Trudov (USSR)
1959, v. 43, p. 186-194.

DESCRIPTORS: Pathology, *Poisoning, *Toxicity,
*Horses, Alkalosis, Respiration, *Plants (Botany),
*Alkaloids.

(Agriculture--Animal Husbandry, TT, v. 10, no. 3)

1. Title: Sullyuk
2. Title: Trichodesma
incanum
- I. Smirnov, F. E.
- II. Stolyarova, A. G.
- III. CSIRO Trans-5802
- IV. Commonwealth Scientific
and Industrial Research
(Australia)

Office of Technical Services

Smirnov, F. B., Grosheva, G. A., and Stolyarova, A. G.

ACTION OF THE LEAVES AND STEMS OF
TRICHODESMA INCANUM ON CATTLE (Vliyanie
 Listev i Steblei Trichodesmi Sedoi na Organizm Krupnogo
 Rogatogo Skota) tr. by A. Neal. [1962] [9]p. (foreign
 text included). [CSIRO] Trans. no. 5801.
 Order from OTS or SLA \$1.10 62-25636

Trans. of Uzbek[skaya Akademiya Sel'skokhozyaist-
 vennykh Nauk] Nauch[no-issledovatel'skii] Institut
 Vet[erinaril]. Sbornik Nauch[nykh] Tr[udov] (USSR)
 1959, v. 13, p. 195-198.

DESCRIPTORS: *Plants (Botany), *Cattle, *Alkaloids,
 *Poisoning, Pathology, Alkalosis.

(Agriculture--Animal Husbandry, TT, v. 10, no. 3)

62-25636

1. Title: Sulljuk
2. Title: Trichodesma incanum
1. Smirnov, F. B.
- II. Grosheva, G. A.
- III. Stolyarova, A. G.
- IV. CSIRO Trans-5801
- V. Commonwealth Scientific
 and Industrial Research
 Organization (Australia)

Office of Technical Services

61-19907

Kruglova, Ye. K.
APPLICATION OF BORON IN MICRODOSES AS
COTTON FERTILIZER (O Primenenii Bornykh
Mikrodobrenii pod Khlopchatnik). June 61 (6)p. 14 refs.
RTS 1880

Order from OTS or SLA \$1. 10

61-19907

Uzbekistan
Trans. of *Uzbekskiy Biologicheskii Zhurnal* (USSR)
1959, no. 5, p. 55-60.

DESCRIPTORS: *Cotton, Plants, *Boron, *Fertilizers,
Dosage, Growth substances.

Application of microdoses of boron accelerates develop-
ment and ripening of cotton, reduces the percentage of
fruit organs dropping off, increases the yield of raw
cotton as well as the percentage of seed in the boll and
the oil content of the seed. In view of the low mobility
of boron compounds through the cotton shrub, the best
means of applying microdoses of boron is by applying it
fractionally: part prior to sowing into the soil and part
(Biological Sciences--Botany, TT, v. 6, no. 5) (over)

I. Kruglova, Ye. K.
II. RTS-1880
III. Department of Scientific
and Industrial Research
(O. Brit.)

Dept of Interior
T7 67 NO 1880

180635

Office of Technical Services

(SF-1965)

Fedor Nikolayevich Rusanov, 3 pp.

Revision
~~RUSSIAN~~, per, Uzbek Biolog Zhur, No 5, 1959,
pp 70-72.

JPRS 12803

USSR
Biog
Mar 62

Monthly Report, Transportation, Communications, and Electric
Power in USSR, No 10

"Electric Power Statistics for Zakarpatskaya Oblast"

Ukrainian, book, Uzhgorod, Narodne Gospodarstvo Zakarpats'-
-skoy Oblasti (National Economy of Zakarpatskaya Oblast)
1957, pp 22, 110

USSR

Economic--Electric Power

(Exploitation)

BD 12/60 L

(SF- 1832).

50th Birthday of Akhrar Muzafarovich Muzafarov, ~~6/1/1911~~
~~RUSSIAN~~ ^{Uzbek}, per, Uzbekskey Biologicheskoy Zhur, No 5,
1959, pp 72-73.

*JPRS 4663

USSR

Biog

27 apr 61

(DC-4060).

Use of Radioactive Isotopes in the Study of Plant
Biology, by N. H. Nazirov, 3 pp.

Uzbekistan
~~Uzbekistan~~, per, Uzbebskiy Biologicheskiy Zhur, No 1,
1960, pp 67, 68.

JPRS 6247

Sci - Biol
22 Nov 60

133,838

(DC-4060).

The Question of Animal Biology at the Tashkent
Conference on Peaceful Use of Atomic Energy, by
Ya. Kh. Furakulov, 6 pp.

Translation
~~Russian~~, per, Uzbekskiy Biologicheskii Zhurnal,
No 1, 1960, pp 68-71.

JFRS 6247

Sci - Biol
22 Nov 60

133,839

(NY-6514)

The effect of Gamma-Rays on Dry Cultures of
Lactobacilli, by A. G. Grinevich, Ye. L.
Pant'yukhina, 11 pp.

Ukrainian, per, ^{kiy} ~~Uzbek~~ Biologicheskii Zhur.
No 5, 1960.

JPRS 10224

172, 671

Sci - Biol
Oct 61

(NY-6502)

The Plant Heredity Control Laboratory and
Its Problems, by S. S. Sadykov, 7 pp.

Ukrainian
~~Russian~~, per, Uzbek Biological Journal,
No 2, 1961, pp 3-6.

JPRS 11927

Sci - Biol

181,362

Jan 62

CHARACTERISTICS OF WATER-SALT METABOLISM AND ITS
REGULATION UNDER CONDITIONS OF HIGH TEMPERATURE, BY
A. YU. YUNUSOV, 7 PP.

Abdusattar
~~RODENT~~ PER, UZBEKSKIY BIOL ZHUR, VOL VII, NO 2,
1963, PP 5-9.

JPRS 20104

SCI - BIOL & MED

JUL 63

235,458

EFFECT OF THE REPEATED ACTION OF HIGH TEMPERATURE
ON WATER-SALT METABOLISM, BY A. YU. YUNUSOV,
A. T. TURSUNOV, 7 PP.

Handwritten: ~~RUSSIAN~~ PER, UZBEKSKIY BIOLOGICHESKIY ZHURNAL,
VOL VII, NO 2, 1963, PP. 11-15.

JPRS 200104

SCI - BIOL & MED
JUL 63

235,459

CHANGE IN THE MINERAL COMPOSITION OF ~~XX~~ THE GASTRIC
JUICE DURING QUALITATIVELY DIFFERENT NUTRITION UNDER
CONDITIONS OF OPTIMUM TEMPERATURE, BY E. S. BELOVA,
7 PP.

Therian
~~RUSSIAN~~, PER, UZBEKSKIY BIOLOGICHESKIY ZHURNAL, VOL VII,
NO 2, 1963, PP 21-25.

JPRS 20104

SCI - BIOL & MED
JUL 63

235,460

CHANGE IN THE COMPOSITION AND PROPERTIES OF THE
BLOOD DURING X QUANTITATIVELY DIFFERENT NUTRITION
UNDER HIGH TEMPERATURE CONDITIONS, BY M. V.
ABDUSAMATOVA, 5 PP.

Abdusamatova

biol

RESEARCH, PER, UZBEKSKKIY ZHURNAL, VOL VII, NO 2,
1963, PP 26-29.

JPRS 20104

SCI - BIOL & MED
JUL 63

235,5461

PARTICIPATION OF THE SKIN AND MUSCLES IN MINERAL
METABOLISM DURING WATER AND SALT EXCESSES UNDER
CONDITIONS OF SOLAR IRRADIATION, BY M. G.
MIRZAKARIMOVA, T. A. VASHCHENKO, 10 PP.

M. G. Mirzakarimova
PER, UZBEKSKIY BIOLOGICHESKIY ZHURNAL,
VOL VII, NO 2, 1963, PP 30-36.

JPRS 20104

SCI - BIOL. & MED
JUL 63

235,462

BILE-ELIMINATING FUNCTION OF THE LIVER UNDER HIGH
TEMPERATURE CONDITIONS, BY Z. A. ISKHAKOV, 5 PP

Shkardin
RUSSIAN, PER, UZBEKISTAN BIOLOGICAL CHEMISTRY JOURNAL, VOL VII,
NO 2, 1963, PP 66-69.

JPRS 20104

SCI 11- BIOL & MED

JUL 63

235,463

S-979/63

Some Peculiarities of Distribution of Stronium-90 in
the Skeleton of a Dog Following Single and Prolonged
Administration, by A. A. Yusupov. (NY-7897)

UKRAINIAN,

RUSSIAN, per, Ak Nauk Uzbek SSR, Uzbek Biol Zhur,
Vol VII, No 4, 1963, pp 35-36.

*JPRS

Sci - Biol & Med Sci
Nov 63

SIGNIFICANCE OF PRESOWING TREATMENT OF COTTON SEEDS
WITH PROTISTA IRRADIATED WITH GAMMA-RAYS OF CO⁶⁰,
BY V. F. NIKOLYUK, M. I. MAVLYANOVA, 5 PP

7/11/63
~~RUSSEN~~, PER, AKK NAUK ~~XX~~ UZBEK SSR, UZBEK BIOL
ZHUR, VOL VII, NO 4, 1963, PP 59-61

JPRS 21996

SCI ~~XXXX~~ BIOL & MED SCI
DEC 63

242,953

HISTOCHEMICAL CHARACTERIZATION OF THE DISTRIBUTION
OF RIBONUCLEIC (RNA) AND DEOXYRIBONUCLEIC (DNA)
ACIDS IN THE TESTICLES OF RATS AFTER GAMMA-
IRRADIATION WITH Co^{60} , BY A. K. MIRAKHMEDOV, 5 PP.

Mirakhmédov
RUSSIAN, PER, AK NAUK UZBEK SSR, UZBEK BIOL ZHUR,
VOL VII, NO 4, 1963, PP 55-58.

JPRS 2X 22-17

SCI-BIOL & MED SCI
DEC 63

242,973

A Case of Gynandromorphism among Ticks of the
Ixodidae Family, by Z. M. Bernadskaya, 6pp
RUSSIAN, per, Uzbek Akademiya Sel'skokhozyaist-
vennykh Nauk, Nauchno-Issledovatel'skii Inst
Veter, Byull, 1935, No 4, pp 41-42
OTS TP-64-15284

Sci - Biol
June 67

328,857

The Effect of Petroleum Growth Stimulant (NRV) on
the Development, Physiological Changes and Yield
of Melons in Uzbekistan, by N. A. Ataulayev.
UKRAINIAN, per, Uzbekskii Biol Zhur, No 5, 1963,
pp 8-14. 922251
USDA Tr A-1435

Sci - B & M Sci
May 64

259,670

Duration of Feeding and Behavior of Engorged
Hyalomma Anatolicum Koch Females, by
T. B. Kuklina.
UKRAINIAN, par, Uzbekskiy Biol Zhurnal, Vol 8,
No 5, 1964, pp 75-78.
NTC 69-15518-06C

Sci-B&M
Dec 69

398,407

Duration of Feeding and Behavior of Engorged
Hyalomma Anatolicum Koch Females, by T. E. Kuklina.
RUSSIAN, per, Uzbek Biol, Vol 8, No 5, 1964,
pp 75-78.
HEW NIH
4-46-69
ON LOAN ONLY

Sci/DEM
Jun 69

383,154

Duration of Feeding and Behaviour of Replete
Hyalomma Anatolicum Koch Females, by T.

Kuklina.

RUSSIAN, per, Uzbek.biol.Zh., Vol 8, No 5, 1964,
pp 75-78.

(CSIRO/No. 7881)

Sci -
Sep 67

339,992

Investigation of the Vibration of Certain Very Simple
Rod Systems, Applying the Volterra Type Integral
Equations, by V. K. Kabulov, Gnp.

RUSSIAN, per, Uzbek Dok Ak Nauk, No 2, 1959.
pp 5-10. 9097831

AEC SC⁺-T-393

Sci - Phys
Apr 62

190,518

Aleksey Sergeyevich Adelung, 5 pp.
RUSSIAN, per, Uzbek Geolog Zhur, No 2, 1964,
pp 94, 95.
JPRS 26380

USSR
Biog
Sep 64

267,459

Geological-Geochemical Comparison of
Pyrite Occurrences in Central Kyzil-Kum with
Some Pyrite Deposits of the Southern Urals,
by I. Kh. Khamrabayev, P. V. Khramyskin,
Kh. R. Rakhmatullayev, and S. R. Ruzmatov,
13 pp.

RUSSIAN, per, Uzbekskiy Geologicheskiy
Zhurnal, No 4, 1964, pp 19-29.
JPRS 29092

UBSSR
Sci-Chem
Mar 65

276,266

Hydrogen Discharge Overvoltage at Zr in Acid
and Alkaline Solutions, by A. M. Murtazev,
T. K. Azizova, 8 pp.

RUSSIAN, per, Uzbek Khim Zhur, Ak Nauk Uzbek
SSR, No 3, 1958, pp 69-74.

AEC TR 37213

Sci - Chem

Sep 59

97,494

Distribution Coefficient During Joint Electrodeposition
of Metals of the Iron Group, by A. I. Chernilovskaya,
G. A. Tsypmanov, 10 pp.

RUSSIAN, per, Uzbekskiy Khim Zhur, No 4, 1958,
pp 25-32.

SLA 60-17786

Sol

Apr 62

Vol IV, No 6

190,244

Hydrogenation of Cottonseed Oil, by A. L. Markman,
A. A. Abdurakkimov.

RUSSIAN, per, Uzbek Khim Zhur Akad Nauk Uzbek SSR,
No 4, 1958, pp 45-51. (Chem Abs 53, 19414a 1959)

*PL-480
USDA

Sci -
Jun 63

Rustamov, Kh. R., Fatkulina, L. G., and
Nabikhodzhaev, S. N.
CATALYTIC ABILITY OF BIFUNCTIONAL CATION
EXCHANGERS. [1960] 5p. 5 refs.
Order from LC or SLA ml\$1.80, ph\$1.80 60-16958

Trans. of Uzbekskiy Khimicheskij Zhurnal (USSR)
1959, no. 1, p. 39-42.

The kinetics of ethyl acetate hydrolysis in the presence of cationite KU-1, and also in the presence of different samples of this cationites with a partial replacement in those of the hydrogen-ion through the ion ammonium-triethylbenzyl was studied. Only the strongly acid functional group (sulfonic acid group) shows a catalytic ability, in neutral or little acid medium, in the bifunctional cationites. The introduced complex ion of ammonium-triethylbenzyl diminishes the catalytic ability of the remaining, nonsubstituted hydrogen ions. (Author)

(Chemistry--Physical, TT, v. 5, no. 4)

60-16958

1. Ion exchange resins--
Catalytic properties
2. Ethyl acetate--Hydrolysis
- I. Rustamov, Kh. R.
- II. Fatkulina, L. G.
- III. Nabikhodzhaev, S. N.

143,243

Office of Technical Services

Iosilevich, A. I. and Tsyganov, G. A.
DISTRIBUTION COEFFICIENT OF SIMULTANEOUS
ELECTRODEPOSITION OF COBALT AND NICKEL
FROM ELECTROLYTES WITH VARIOUS ANIONS, tr.
by Leonard Shapiro. [1961] 8p. (5 figs. 2 tables omit-
ted) 3 refs.
Order from OTS or SLA \$1.10

61-15063

Trans. of Uzbekskiy Khimicheskij Zhurnal (USSR) 1959,
no. 1, p. 43-49.

DESCRIPTORS: *Cobalt, *Nickel, *Electrodeposition,
Electrolytes, Ions, Chemical reactions.

The possibility is shown of significantly increasing or
decreasing the magnitude of the distribution coefficient
for the process of joint deposition of Co and Ni by using
electrolytes differing in the nature of their anions or by
introducing additives containing other anions into the
starting electrolyte. A direct dependence is established
between the magnitude of the distribution coefficient on
(Chemistry--Physical, TT, v. 6, no. 4) (over)

61-15063

I. Iosilevich, A. I.
II. Tsyganov, G. A.

177634

Office of Technical Services